

Amendment under 37 C.F.R. §1.312  
Serial No. 10/790,760  
Attorney Docket No. 042161  
Amendment Filed: January 20, 2006

**AMENDMENTS TO THE SPECIFICATION**

**Please amend the paragraph beginning on page 8, line 32 and extending to page 9, line 5 as follows:**

Fig. 2 shows the relative permittivity versus atomic percent Y for Y doping with  $(\text{Ba}+\text{Sr})/\text{Ti} < 1$  and  $(\text{Ba}+\text{Sr})/\text{Ti} > 1$  with the Ba/Sr ratio held fixed at  $7/3$  and  $z = \delta = 0$ . As shown in Fig. 2, significant differences in the effect of Y doping on the capacitance density occur depending on whether  $(\text{Ba}+\text{Sr})/\text{Ti} < 1$  Y or  $(\text{Ba}+\text{Sr})/\text{Ti} > 1$  Y. Optimum relative permittivity is achieved for  $(\text{Ba}+\text{Sr})/\text{Ti} < 1$  (~~predominantly A-site substitution~~) and  $0.007 < y < 0.018$ .

**Please amend the paragraph beginning on page 9, line 11 as follows:**

Fig. 4 shows the leakage currents versus atomic percent Y for the case  $(\text{Ba} + \text{Sr}) / \text{Ti} < 1$ ,  $\text{Ba} / \text{Sr} = 7 / 3$ , and  $z = \delta = 0$ . As shown in Fig. 4, Y doping with  ~~$\text{Ba} + \text{Sr} / \text{Ti}$~~   $(\text{Ba} + \text{Sr}) / \text{Ti} < 1$  improves leakage currents.